



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Kuraray America, Inc.**  
**2625 Bay Area Blvd., Suite 600**  
**Houston, TX 77058**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Kuraray Butacite® PVB Glass Interlayer

**APPROVAL DOCUMENT:** Drawing No. G15-01, titled "Kuraray Butacite® PVB Interlayer", sheets 1 and 2 of 2, dated 05/13/2015, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: None

**LABELING:** Laminated lites under this Product Approval shall be permanently marked in a corner of the glass with: "MDCA-Butacite® PVB", standing for "Miami-Dade County Approved – Butacite® PVB", and the laminator's identification mark. These marks shall be applied by the individual laminator producing the finished laminated glass product containing the Butacite® PVB interlayer.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 13-0129.27 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



*[Signature]*  
06/16/2015

NOA No. 14-0916.10  
Expiration Date: December 11, 2016  
Approval Date: April 25, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **G15-01**, titled "Kuraray Butacite® PVB Interlayer", sheets 1 and 2 of 2, dated 05/13/2015, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS "Submitted under NOA # 11-0624.01"**

	<u>Test report</u>	<u>Standard</u>	<u>Date</u>	<u>Signature</u>
1.	A2280.01-10-18	ASTM D1929	03/29/11	Joseph A. Reed, P.E.
2.	A2280.01-10-18	ASTM D 635	03/29/11	Joseph A. Reed, P.E.
3.	A2280.01-10-18	ASTM D 2843	03/29/11	Joseph A. Reed, P.E.
4.	A2280.01-10-18	ASTM G 155	03/29/11	Joseph A. Reed, P.E.
5.	A2280.01-10-18	ASTM G 158	03/29/11	Joseph A. Reed, P.E.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

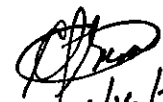
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

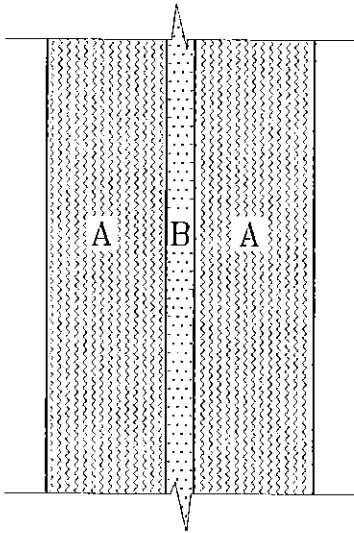
1. Statement letter of code conformance to 2010 and the 5<sup>th</sup> edition (2014) FBC issued by Al-Farooq Corporation, dated 06/16/2015, signed and sealed by Javad Ahmad, P.E.
2. Purchase agreement between E.I. DuPont De Nemours and Co. and Kuraray Co., LTD., dated May 22, 2014.

  
06/16/2015

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 14-0916.10

Expiration Date: December 11, 2016  
Approval Date: April 25, 2015

# Kuraray Butacite® PVB Interlayer



## PRODUCT DESCRIPTION:

MANUFACTURED BY: Kuraray America Inc.

A PLASTIC INTERLAYER MATERIAL FOR LAMINATION WITH GLASS ON BOTH SIDES.

A TYPICAL GLAZING IS MADE OF THE FOLLOWING COMPONENTS.

A - MIN. 1/8" (3.0 mm) ANNEALED GLASS
B - MIN. .030 (.76 mm) KURARAY BUTACITE® PVB INTERLAYER
A - MIN. 1/8" (3.0 mm) ANNEALED GLASS

## MATERIAL PROPERTIES

Butacite® PVB Interlayer (clear)

TEST DESCRIPTION	TEST METHOD	TEST RESULTS	
SELF IGNITION TEMP.	ASTM D1929	788°F (420°C)	
FLASH IGNITION TEMP.	ASTM D1929	788°F (420°C)	
AVERAGE SMOKE DENSITY RATING	ASTM 2843	7.2	
RATE OF BURNING	ASTM D635	0 IN/MIN	
XENON WEATHERING (4500 HRS)	ASTM C158-02 METHOD A	* WEATHERING FLEXURAL STRENGTH ASTM C158-02 METHOD A	
		BEFORE	AFTER
		2940 PSI	3189 PSI

\* WEATHERING PER SECTION 2612 OF FLORIDA BLDG. CODE.

## NOTE:

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THIS COMPONENT SHALL APPLY FOR A NOA TO THE MIAMI-DADE COUNTY PRODUCT CONTROL SECTION AND SHALL SUBMIT TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEM USING THIS COMPONENT WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE FLORIDA BLDG. CODE.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0916.10  
Expiration Date 12/10/2016  
By *[Signature]*  
Miami Dade Product Control

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

<b>a f c</b>	<b>AL-FAROOQ CORPORATION</b> ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978 GLAZING\G15-01	<b>KURARAY BUTACITE PVB INTERLAYER</b> Kuraray America, Inc. 2625 Bay Area Blvd., Suite 600 Houston, TX. 77058 TEL. (910)678-1647 FAX. (910)678-1273	revisions:		drawing no. <b>G15-01</b> date: 05-13-15 scale: -- sheet 1 of 2
			no.	date description	

MAY 21 2015

# Kuraray Butacite® PVB Interlayer

## MATERIAL PROPERTIES


Butacite® PVB Interlayer (colors)

TEST DESCRIPTION	TEST METHOD	TEST RESULTS
SELF IGNITION TEMP. [1]	ASTM D1929	788°F (420°C)
SELF IGNITION TEMP. [2]	ASTM D1929	788°F (420°C)
SELF IGNITION TEMP. [3]	ASTM D1929	788°F (420°C)
SELF IGNITION TEMP. [4]	ASTM D1929	788°F (420°C)
SELF IGNITION TEMP. [5]	ASTM D1929	788°F (420°C)
FLASH IGNITION TEMP. [1]	ASTM D1929	788°F (420°C)
FLASH IGNITION TEMP. [2]	ASTM D1929	770°F (410°C)
FLASH IGNITION TEMP. [3]	ASTM D1929	770°F (410°C)
FLASH IGNITION TEMP. [4]	ASTM D1929	788°F (420°C)
FLASH IGNITION TEMP. [5]	ASTM D1929	788°F (420°C)
AVERAGE SMOKE DENSITY RATING [1]	ASTM 2843	7.2
AVERAGE SMOKE DENSITY RATING [2]	ASTM 2843	9.1
AVERAGE SMOKE DENSITY RATING [3]	ASTM 2843	10.2
AVERAGE SMOKE DENSITY RATING [4]	ASTM 2843	10.1
AVERAGE SMOKE DENSITY RATING [5]	ASTM 2843	8.1
RATE OF BURNING [1]	ASTM D635	0 IN/MIN
RATE OF BURNING [2]	ASTM D635	0 IN/MIN
RATE OF BURNING [3]	ASTM D635	0 IN/MIN
RATE OF BURNING [4]	ASTM D635	0 IN/MIN
RATE OF BURNING [5]	ASTM D635	0 IN/MIN

- [1] Clear Butacite® PVB Interlayer
- [2] Charcoal Grey Butacite® PVB Interlayer
- [3] Blue-green Butacite® PVB Interlayer
- [4] Azure Blue Butacite® PVB Interlayer
- [5] Solar Bronze Butacite® PVB Interlayer

### NOTE:

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THIS COMPONENT SHALL APPLY FOR A NOA TO THE MIAMI-DADE COUNTY PRODUCT CONTROL SECTION AND SHALL SUBMIT TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEM USING THIS COMPONENT WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE FLORIDA BLDG. CODE.

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 14-0916.10  
Expiration Date 12/11/2016  
By   
Miami Dade Product Control

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

<b>a f c</b>	<b>AL-FAROOQ CORPORATION</b> ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978	<b>KURARAY BUTACITE PVB INTERLAYER</b> Kuraray America, Inc. 2625 Bay Area Blvd., Suite 600 Houston, TX. 77058 TEL. (910) 678-1647 FAX. (910) 678-1273	revisions:		drawing no. <b>G15-01</b> date: 05-13-15 scale: - sheet 2 of 2
			no.	date description	
GLAZING G15-01					

MAY 21 2015